

MEMORANDUM FOR SEE DISTRIBUTION

FROM: HQ AFCESA/CEO
139 Barnes Drive Suite 1
Tyndall AFB FL 32403-5319

SUBJECT: Structures Utilization & Training Workshop (U&TW) Minutes

1. **PURPOSE:** To review and align AFMAN 36-2108 with the Career Field Education and Training Plan (CFETP), determine true 3-level student training requirements, Career Development Course (CDC) requirements, verify/identify core tasks, identify Mission Ready Airman (MRA) requirements, and review advanced courses to meet the future training needs for the career field.

2. **LOCATION:** 366th Training Squadron/Detachment 6 NCTC, Gulfport, MS

3. **DATES:** 1-6 March 1999

4. **ATTENDEES:** SMSgt Frank VanDevander, HQ AFCESA/CEOT, chaired the workshop. (See Attachment 2 for list of attendees).

5. **SUMMARY:** Modified CFETP to meet existing requirements and aligned 3/5/7-level training requirements to match. Verify/identify cores tasks and identify future training needs for the Structures career field through supplemental training. Also identified those tasks needed to take the initial skills course to MRA.

6. **DISCUSSION:**

a. **Opening remarks:** Major Moss, 366TRS/CC Det 6, opened the workshop by welcoming all attendees and pointing out the significance each member will play in this workshop. MSgt Art Brown, 366 TRS/ Det 6, Structures CDC writer, echoed the welcoming and briefed the attendees on administrative matters. CMSgt Rich Park, HQ USAF/ILEM, welcomed all the attendees and gave an overview of the U&TW and stated the main goal was to define the true training requirements.

b. **U&TW Charter/Agenda/Introductions:** Chief Gelsleichter briefed attendees on the U&TW process. He also pointed out the importance of this workshop and how significant each member's role was to producing a quality product. He then introduced the chairman for the Structures U&TW, SMSgt Frank VanDevander, HQ AFCESA/CEOT. SMSgt VanDevander gave his opening remarks, briefed the rules of engagement, and led the group through a get acquainted exercise.

c. **How Goes It Briefing & Tour of Training Facilities:** Mr. Larry Cohea, 366 TRS/Det 6 course instructor supervisor, gave a briefing on the Structures course and a preliminary overview of the training facilities. Participants were then split into two groups and toured both the combined and co-located AF specific course.

d. **Interservice Training Review Organization (ITRO):** Capt Lea Duncan, HQ AETC/DOO, gave a brief overview of ITRO, to include its history and requirements. SMSgt VanDevander added that of the existing 87-day course, the first 52 days of carpentry/masonry are ITRO and 35 days of metals and contingency are Air Force unique.

e. **Civil Engineer (CE) Craftsman (7-Level Course) Briefing:** Chief Joe B. Wallace, 366 TRS/CCM, gave a briefing on how the CE craftsman course came to be as a result of the Year of Training initiative. He gave a brief overview of the course content and emphasized the importance of all attendees meeting the prerequisites before attending this ten-day course directed toward CE management.

f. **Community College of the Air Force (CCAF) Briefing:** TSgt James Dinsmoore, AETC, gave a general briefing explaining the CCAF.

g. **Occupational Measurement Squadron (OMS) Briefing:** Mr Tom Duffy, AFOMS/OMYO, gave the Air Force OMS briefing. The mission of the AFOMS was defined as to improve Air Force capability by providing quality occupational analysis, promotion testing, and study guides to support Air Force personnel management programs. AFOMS evaluates each career field every 3-5 years or as needed. Mr. Duffy pointed out that the analysis provided by the AFOMS serves as a foundation for U&TWs and emphasized the importance of correctly filling out the surveys that are used to compile the data. He also presented AFOMS test development concepts for the SKT and gave an overview of how to interpret the Occupational Survey Report (OSR) provided by AFOMS.

h. **Career Field Education and Training Plan (CFETP):** SMSgt VanDevander briefed the participants on the CFETP and the new changes that are about to come to the field as an interim message change that will be “pen and ink” changes and page inserts. The group then reviewed the AFMAN 36-2108 and recommended changes. The group also reviewed Part I of the CFETP. (See Attachment 3 and 4 for the recommended changes).

i. **CDC Status Brief:** MSgt Art Brown, 366TRS Det 6/TDE, gave a brief history of the development for the new electronic CDCs to be delivered on CD ROM. He explained that the CDCs will be broken into three sets, for a total of 10 volumes. He then gave a demonstration of volume 1 currently completed. He also explained the timeline for distribution for the CDCs.

j. **Specialty Training Standard (STS) Strawman:** MSgt Art Brown briefed the participants on the schoolhouse recommended changes for the strawman STS. He stated to the group the recommendations were based on the OSR, local course subject matter experts, graduate assessment surveys, field recommendations, and common sense. Constraints were briefly addressed. The participants were briefed on the implications of their recommendations and usage of the schoolhouse as a stepping stone to making group decisions. The participants reviewed the STS and recommendations were made (See Attachment 4 for a list of these recommendations).

k. **Core Task Review:** Chief Gelslechter gave the briefing on core tasks. He gave a comprehensive definition of the qualification of a core task. He also urged the participants to look to the “essence of the career field” when selecting the core tasks. Discussion began at Section 12 and continued until all requirements had been reviewed and recommendations were made. The final draft was reviewed for accuracy. SMSgt VanDevander noted that after the core review, there were 25 5-level core tasks and 10 additional 7-level core tasks and 5 diamond tasks (See attachment 5 for the list of items identified as core tasks).

1. **Qualification Training Package (QTP):** SMSgt VanDevander briefed the group on the status of QTP development and pointed out that all QTPs are now available. He then explained how to locate and obtain all the applicable QTPs relevant to this AFSC.

m. **CerTest Tapes Review:** MSgt Dan Red Cloud, HQ AFCESA/CEX, gave a short briefing on the audiovisual products available through the U.S. Army Visual Information Center. He had the participants review the listing of CerTest tapes. Other than a few of the tapes being somewhat outdated, all were considered still acceptable as a training aid.

n. **Structures Advance Courses Update:** Mr. Schmuck briefed the content, history, and specifics of the current supplemental courses. After some review, the attendees felt the existing supplemental courses were quite adequate. Further discussion ensued on the low slope course and whether its curriculum was still current. SMSgt VanDevander stated that a revised STS has already been approved; just needed the MAJCOMs suggested tasks to be taught.

o. **Review of AFCAT 36-2223:** Mr. Rich Mauer, 366th TRS/TRR, briefly gave information on the publication of the AFCAT 36-2223 and showed excerpts of the particular pages containing the Structures courses. The course content was extensively reviewed and recommendations were made (see Attachment 7).

7. Closing Remarks: CMSgt Gelsleichter and SMSgt VanDevander thanked the attendees for their participation and professionalism which made this U&TW a great success. The workshop adjourned at 1200 on 5 Mar 99.

WILLIAM R. PEARSON, Colonel, USAF
Director of Operations Support

Attachments:

1. Distribution List
2. Attendees
3. Changes to AFMAN 36-2108/ CFETP Pt I
4. CFETP Pt II (STS) Changes
5. Core Requirements
6. MRT Requirements
7. AFCAT 36-2223 Changes
8. Action Items
9. Voting Members

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11WG/CC
HQ AFRC/CEX
HQ AIA/CEP
366 TRS/DET 6/CC
366 TRS CC

Atch 1

STRUCTURES U&TW ATTENDEES
MEMBERS

<u>NAME</u>	<u>OFFICE</u>
SMSgt Frank VanDevander - Chairman	HQ AFCESA/CEOT
SSgt William J. Scott	11 CES/CEOH
MSgt Dennis B. LaClaire	4 CES/CEOL2
MSgt Will Wilson	42 CES/CEOF
SMSgt John S. Crossan	445 CES/CEA
TSgt Nicholas Robinson	50 CES/CEOF
TSgt John H. Adams III	16 CES/CEOFA
SMSgt Russ Lichtenberger	319 CES/CEO
MSgt Roger D. Byrd	124 CES
TSgt Randall Davis	374 CES/CEORV
SSgt John R. Bradley	10 CEG/CEOHV
TSgt Edward F. Miller	48 CES/CEOFS

OTHER ATTENDEES

CMSgt Richard Park	AF/ ILEM
CMSgt Mike Gelsleichter	HQ AFCESA/CEOT
CMSgt Joe B. Wallace	366 TRS/CCM
CMSgt Johnnie Anderson	HQ ACC
CMSgt Sue Wynn	HQ AFRC
CMSgt Cleve Schuster	152 CES/CEO
Mr Rich Maurer	366 TRS/TRR
Mr Tom Duffy	AFOMS/OMYO
MSgt Jerry W. Lewis	Det1/823 RHS (SF)
MSgt Troy Taylor	HQ ANG/
MSgt Art Brown	366 TRS/DET6/TDE
Mr Gerald Schmuck	366 TRS/DET6/TDE
TSgt Dennis Fuerstenberg	366 TRS/DET6/TDE
Mr Larry Cohea	366 TRS/DET6/ISS
Maj Jeffrey Moss	366 TRS/DET6/CC
Capt Lea Duncan	HQ AETC/DOO
TSgt Lucio V. Robinson	927 CES
MSgt Dwight Daniel	30 CES/CEOHV
TSgt Paul C. Loeber	375 CES/CEXR
TSgt William L. Myers	436 CES/CEOHS
TSgt Cephous Vincent	89 CES/CEOHV
SSgt Daniel Smith	45 CES/CEOFS
Mrs. Marilyn Peterson	NCTC/S2S (Recorder)

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RECOMMENDED CHANGES TO AFMAN 36-2108

- Section 2.1.: Change “schematics” to “blueprints”
Change “mortar, concrete, plaster, and stucco” to “masonry products”
- Section 2.2.: Add “cuts,” between “Welds,” and “brazes”
Change “oxyacetylene and arc welding” to “various”
- Section 2.3.: Add “/exit device” to “panic hardware”
- Section 2.4.: Delete “high reach”
- Section 2.5.: Delete “materials. Select”
- Add Section 2.7.: To include statement regarding AEF
- Section 3.1.: Change “and concrete material” to “products”
Add “masonry” to “batching formula”
Change “concrete, mortar, plaster, stucco, tile, and lime mixture” to “masonry products”
Add “layout” between “metal,” and “fabrication”
Delete “metal layout”
- Section 3.2.: Add “or General Education Development (GED) is mandatory.”
Make last line read: “Courses in mathematics and experience using metal, masonry, and wood working tools are desirable.”
- Section 3.4.1.: Change “concrete, plaster, stucco, and mortar” to “masonry products”
Change “and” from between “equipment” and “fabricating” to “a”
- Section 3.4.2.: Delete “plastering and”

RECOMMENDED CHANGES TO CFETP

- Section B Item 4.2.1. Change “structural” to “structures”
- Section B Item 4.2.2. Make read: “Layout and erect trusses and structural steel to specific dimensions”

Bullet 1: Add “cuts,” between “Welds,” and “brazes”

Bullet 3: Add “doors and” after “mechanical”

Correct all bullet tabs
- Section B Item 4.2.3. Add “/exit devices,” to “panic hardware”

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- Section B Item 4.3. Correct all bullet tabs
- Section B Item 5.3. Bullet 1: Change “production” to “section”
- Section B Item 6. Correct date
- Section B Item 6.1. Make read politically correct
- Section B Item 7. This area will be updated to reflect current numbers
- Section B Item 8. Add “and average sew-on date.” After “path”
- Section B Figure 1 Correct pyramid graphic as needed
- Section B Item 8.1. Correct manpower table to reflect current numbers
- Section B Item 8.2.3. Change sentence to read: “The senior badge adds a star to the top of the badge after the member is awarded the 7-level.”
- Section B Item 8.2.4. Change “from” to “after”
- Section C Item 10.1.1.2. Capitalize “general education development”
- Section C Item 10.1.2. Delete bullet 3
- Section C Item 10.2.1.1. Add a bullet to read: “Laminating, gluing and protective coating procedures”
- Section C Item 10.2.1.1. Add “Masonry and concrete” to “Batching formula”
- Section C Item 10.2.1.1. Add a bullet to read: “General contingency skills such as first aid procedures, field sanitation, force protection, and beddown procedures
- Section C Item 10.2.1.1. Add a bullet to read: “Expedient construction/repair requirements”
- Section C Item 10.2.1.4. Change bullet 2 to read: “Constructing, erecting, maintenance, and repair of buildings and heavy structures.”
- Section C Item 10.2.1.4. Add a bullet to read: “General carpentry”
- Section C Item 10.3.1.1. Delete bullet 4
- Section C Item 10.3.1.3. Change bullet 8 to read: “QTPs for assigned core and critical tasks”
- Section C Item 10.3.1.4. Delete bullet 2
 - Bullet 3, change “Plastering” to “Planning masonry”
 - Bullet 4, add “Plan” and change “structures” to “structural projects”
 - Bullet 6, make read: “Plans installation, fabrication, repair, welding, or forging of metal components”

Section C Item 10.3.2. Correct this section to reflect the current Training Sources/Resources

Section C Item 10.4.1.1. Add “Advanced” in front of “knowledge”

Section D This section will be modified closer to publication time

CFETP Part II (STS) Changes

ITEM NUMBER

- 4.9. Delete "A" from 3-skill level column
- 5.8. Delete "A" from 3-skill level column
- 8.1. Delete "b/X" from 3-skill level column; Add "A" to 5-skill level column
- 8.2. Delete "b/X" from 3-skill level column
- 9.4. Delete "3c" from 3-skill level column
- 9.6. Decrease "2b" to "A" in 3-skill level column
- 9.7. Decrease "B" to "A" in 3-skill level column
- 9.8. Decrease "B" to "A" in 3-skill level column
- 11.1. Delete "A/X" in 3-skill level column
- 13.3.3. Delete "A" from 3-skill level column
- 13.4.3. Delete "A" from 3-skill level column
- 14.1.1. Delete CORE requirement
- 14.1.2. Make header and delete training codes; renumber power tools accordingly
- 14.1.2.1. Delete CORE requirement; Decrease "3c" to "2b" in 3-skill level column
- 14.1.2.2. Delete CORE requirement; Decrease "3c" to "2b" in 3-skill level column
- 14.1.2.3. Delete CORE requirement; Decrease "3c" to "2b" in 3-skill level column
- 14.1.2.4. Delete CORE requirement; Decrease "3c" to "2b" in 3-skill level column
- 14.1.2.5. Decrease "3c" to "2b" in 3-skill level column
- 14.1.2.6. Delete CORE requirement; Decrease "3c" to "2b" in 3-skill level column
- 14.1.2.7. Delete CORE requirement; Decrease "3c" to "2b" in 3-skill level column
- 14.1.2.8. Decrease "3c" to "2b" in 3-skill level column
- 14.1.11. Renumber as 14.2.
- 14.1.12. Renumber as 14.3.; Decrease "3c" to "2b" in 3-skill level column
- 14.1.13. Renumber as 14.4.; Delete "A" in 3-skill level column
- 14.2. Renumber as 14.5. and renumber all sub-tasks accordingly; 14.5.1. Decrease "2b" to "b" in 3-skill level column
- 14.3. Renumber as 14.6.; Delete Core requirement
- 14.4. Renumber as 14.7.
- 15.1. Decrease "2b" to "a" in 3-skill level column
- 15.2.2. Decrease "2b" to "1a" in 3-skill level column
- 15.3.1. Decrease "B" to "a" in 3-skill level column
- 15.3.2. Decrease "B" to "a" in 3-skill level column
- 15.3.3. Decrease "B" to "a" in 3-skill level column
- 15.3.5. Change "A" to "a" in 3-skill level column
- 15.3.6. Change "A" to "a" in 3-skill level column
- 15.3.7. Decrease "B" to "a" in 3-skill level column
- 15.3.8. Decrease "B" to "a" in 3-skill level column
- 15.4. Change "1a/X" to "1a" in 3-skill level column
- 15.7. Decrease "2b" to "1a" in 3-skill level column
- 15.8.1. Decrease "2b" to "1a" in 3-skill level column
- 15.11. Increase "1a/X" to "2b" in 3-skill level column
- 15.14. Decrease "B" to "a" in 3-skill level column
- 15.15. Decrease "B" to "a" in 3-skill level column
- 16.1.3. Make header and delete training codes; add two sub-tasks
- 16.1.3.1. Becomes "Wooden studs"; make a CORE requirement; add "2b" to 3-skill level column; Add "b" to 5-skill level column

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16.1.3.2.	Becomes “Metal studs”; add “2b” to 3-skill level column; add “b” to 5-skill level column
16.1.4.	Decrease “2b” to “1a” in 3-skill level column
16.1.5.	Decrease “2b” to “1a” in 3-skill level column
16.1.6.	Change “A” to “a” in 3-skill level column
16.2.2.	Decrease “b” to “a” in 3-skill level column
16.2.3.	Make header and delete training codes; add two sub-tasks
16.2.3.1.	Becomes “Wooden studs”; add “b” to 3- and 5-skill level columns
16.2.3.2.	Becomes “Metal studs”; add “b” to 3- and 5-skill level columns
16.2.4.	Decrease “b” to “a” in 3-skill level column
16.2.5.	Decrease “b” to “a” in 3-skill level column
16.2.6.	Decrease “b” to “a” in 3-skill level column
17.2.1.	Increase “a” to “1a” in 3-skill level column
17.3.	Decrease “B” to “a” in 3-skill level column
17.4.	Change “B” to “1a” in 3-skill level column
17.7.	Change “B” to “1a” in 3-skill level column
17.8.	Decrease “B” to “a” in 3-skill level column
17.9.	Delete CORE requirement; Decrease “3c” to “2b” in 3-skill level column
17.10.	Delete CORE requirement; Decrease “3c” to “A” in 3-skill level column; Decrease “c” to “b” in 5-skill level column
18.1.1.	Increase “a” to “1a” in 3-skill level column
18.2.2.	Decrease “2b” to “1a” in 3-skill level column
18.3.	Decrease “b” to “a” in 3-skill level column
18.4.	Decrease “B” to “a” in 3-skill level column
18.5.2.	Decrease “B” to “a” in 3-skill level column
19.1.1.1.	Change “A/X” to “a” in 3-skill level column
19.2.1.1.	Add “a” to 3-skill level column
19.4.1.3.	Decrease “2b/X” to “1a” in 3-skill level column
19.4.1.4.	Decrease “2b” to “1a” in 3-skill level column
19.4.2.2.	Decrease “1a” to “a” in 3-skill level column
19.4.2.3.	Decrease “1a/X” to “a” in 3-skill level column
19.4.2.4.	Decrease “1a” to “a” in 3-skill level column
19.6.1.	Add “2b” to 3-skill level column
20.1.	Increase “a” to “1a” in 3-skill level column
20.2.2.	Increase “2b” to “3c” in 3-skill level column; Increase “b” to “c” in 5-skill level column
20.2.3.	Increase “2b” to “3c” in 3-skill level column; Increase “b” to “c” in 5-skill level column
20.4.1.	Increase “a” to “b” in 3-skill level column
20.5.1.	Decrease “b” to “a” in 3-skill level column
20.6.1.	Decrease “b” to “a” in 3-skill level column
21.1.1.	Decrease “b” to “A” in 5-skill level column
21.1.2.	Decrease “b” to “A” in 5-skill level column
21.2.1.	Decrease “b” to “A” in 5-skill level column
21.2.2.	Decrease “b” to “A” in 5-skill level column
22.4.	Decrease “b” to “a” in 3-skill level column
22.7.	Decrease “b” to “a” in 3-skill level column
23.	Decrease “1a” to “A” in 3-skill level column
24.5.1.	Decrease “3c” to “2b” in 3-skill level column
24.5.2.	Decrease “3c” to “2b” in 3-skill level column
24.5.3.1.	Decrease “3c” to “2b” in 3-skill level column
24.5.3.4.	Add “/exit device” to “Panic hardware”; Decrease “3c” to “2b” in 3-skill level column
24.5.4.-24.5.4.4.	Move to Module 25 and renumber accordingly
24.5.5.	Renumber as 24.5.4; Decrease “3c” to “2b” in 3-skill level column

- 25.1. Decrease “B/X” to “A” in 3-skill level column
- 25.2. Decrease “2b/X” to “1a” in 3-skill level column
- 25.3.1. Decrease “3c” to “2b” in 3-skill level column
- 25.3.4. Decrease “3c” to “2b” in 3-skill level column
- 27.2. Decrease “3c” to “2b” in 3-skill level column
- 28. Add “/Fiberglass” after “Metal”
- Add 28.5. To read: “Fiberglass ductboard”; Add “A” to 3-skill level column; add “b” to 5-skill level column
- 29.1. Decrease “2b” to “B” in 3-skill level column
- 29.4. Add “A” to 3-skill level column
- 29.5.1. Increase “a/X” to “B” in 3-skill level column
- 29.5.2. Increase “A/X” to “B” in 3-skill level column
- 29.6. Change “a” to “A” in 3-skill level column
- 29.7.1. Decrease “2b” to “1a” in 3-skill level column
- 29.7.2. Change “a/X” to “a” in 3-skill level column
- 31.1. Increase “A” to “B” in 3-skill level column
- 31.12. Increase “1a” to “2b” in 3-skill level column
- 32.2.1. Decrease “2b” to “1a” in 3-skill level column
- 32.2.2. Decrease “2b” to “1a” in 3-skill level column
- 32.3.1.1. Decrease “2b” to “a” in 3-skill level column
- 32.3.1.3. Decrease “2b” to “1a” in 3-skill level column
- 32.3.1.4. Decrease “2b” to “1a” in 3-skill level column
- 32.3.2.1. Decrease “2b” to “1a” in 3-skill level column
- 33.2. Increase “B” to “2b” in 3-skill level column
- 33.6.1.2. Add “2b” to 3-skill level column
- 33.6.2.2. Add “2b” to 3-skill level column
- 33.6.3.2. Add “2b” to 3-skill level column
- 34.1. Increase “A” to “B” in 3-skill level column
- 34.3. Decrease “2b” to “1a” in 3-skill level column
- 34.4. Decrease “2b” to “1a” in 3-skill level column
- 34.5. Decrease “2b” to “1a” in 3-skill level column
- 35.4.1.2. Add “2b” to 3-skill level column
- 35.4.2.2. Add “2b” to 3-skill level column
- 35.4.3.2. Add “2b” to 3-skill level column
- 36.4.1.2. Add “2b” to 3-skill level column
- 36.4.2.2. Add “2b” to 3-skill level column
- 36.4.3.2. Add “2b” to 3-skill level column
- 37. Change to read: “Plasma Arc Systems”, Renumber “AFSC Specific Contingency Responsibilities” as “38.”
- 37.1. Make to read: “Principles of”; Add “A” in 5-skill level column
- 37.2. Make to read: “Set up”; Add “a” in 5-skill level column
- 37.3. Make to read: “Perform cutting”; Add “a” in 5-skill level column
- 37.4. Make to read: “Maintain”; Add “a” in 5-skill level column
- 38. Renumbered for “AFSC Specific Contingency Responsibilities” due to “Plasma Arc Systems”
- 38.1.1.1. Change “B” to “1a” in 3-skill level column
- 38.1.1.2. Change “B” to “1a” in 3-skill level column
- 38.1.1.4.1. Change “1a/A” to “1a” in 3-skill level column
- 38.1.1.4.2. Change “1a/A” to “A” in 3-skill level column
- 38.1.2. Change “1a/A” to “A” in 3-skill level column
- 38.1.3. Add “hardening” to “Buttressing”

- 38.1.3.2. Change “1a/A” to “A” in 3-skill level column
- 38.1.5. Delete “RRR Concrete Saw” and renumber accordingly
- 38.1.5.1. Delete “A” from 3-skill level column
- 38.1.6.1. Change “A/X” to “A” in 3-skill level column
- 38.1.6.2. Change “A/X” to “A” in 3-skill level column
- 38.1.8. Decrease “2b” to “a” in 3-skill level column
- 38.1.9.1. Decrease “B” to “A” in 3-skill level column
- 38.1.9.2.1. Change “2b/A” to “2b” in 3-skill level column
- 38.1.9.2.2. Change “b/A” to “A” in 3-skill level column
- 38.1.9.2.3. Change “b/A” to “A” in 3-skill level column
- 38.1.9.3. Change “b/A” to “A” in 3-skill level column
- 38.2.1. Change “2b/A” to “2b” in 3-skill level column
- 38.2.2.1. Decrease “2b/X” to “A” in 3-skill level column
- 38.2.2.3. Decrease “2b/A” to “A” in 3-skill level column
- 38.2.3. Change “b/X” to “A” in 3-skill level column
- 38.2.4. Change “b/X” to “A” in 3-skill level column
- 28.2.5. Change “b/X” to “A” in 3-skill level column
- 28.2.6. Change “a/X” to “A” in 3-skill level column
- 38.2.7. Change “a/X” to “A” in 3-skill level column
- 38.2.8.1. Change “a” to “A” in 3-skill level column
- 38.2.8.2. Change “a” to “A” in 3-skill level column
- 38.3.1. Make read: “Dome shelters”; add “a” in 5-skill level column
- 38.3.2. Make read: “Aircraft hangar (ACH)”; add “a” in 5-skill level column
- 38.3.3. Make read: “Frame supported tension fabric structure (FSTFS)”; add “a” in 5-skill level column
- 38.3.4. Make read: “Shelter repair tasks”
- 38.3.4.1. Make read: “Classify shelter damage”; Change “a” to “A” in 3-skill level column
- 38.3.4.2. Make read: “Repair panel assembly”
- 38.5.1.2. Decrease “1a/X” to “a” in 3-skill level column
- 38.5.1.3. Decrease “a/X” to “a” in 3-skill level column
- 38.5.1.4. Add “b” to 5-skill level column
- 38.6.1. Change “A/X” to “A” in 3-skill level column
- 38.6.3. Add “Repair Quality Criteria” after “Repair”; Change “b/X” to “A” in 3-skill level column;
Add “b” to 5-skill level column
- 38.6.4. Change “B/X” to “A” in 3-skill level column
- 38.6.5.1. Change “b/X” to “A” in 3-skill level column
- 38.6.5.2. Change “b/X” to “A” in 3-skill level column
- 38.6.5.3. Change “b/X” to “A” in 3-skill level column
- 38.6.6. Change “b/X” to “A” in 3-skill level column
- 38.7.2. Delete “Water Distribution Truck” and renumber accordingly
- 38.7.5. Replace “RRR Concrete Saw” with “Dump Truck”

CORE Task

5—Level

- 12.3.5. Handling compressed gas containers
- 15.2.1. Install reinforcing steel
- 15.3.4. Construct forms for slabs
- 15.4. Install forms
- 15.9. Place concrete in forms
- 15.12. Finish concrete
- 16.1.3.1. Layout, construct, and install walls using wooden studs
- 18.1.2. Mix mortar
- 18.2.2. Lay block
- 20.2.1. Install gypsum board
- 20.2.2. Patch gypsum board
- 28.2.2. Layout metal components using parallel line development
- 28.4.1. Install duct systems
- 31.4. Assemble and test oxyacetylene equipment for gas leaks
- 31.10. Use oxyacetylene equipment to cut metal
- 33.4. Set up welding machine for a specific welding job
- 33.5. Prepare joints for welding
- 33.6.1.1. Use shielded metal arc welding equipment to weld carbon steel butt joints in the flat position
- 33.6.1.3. Use shielded metal arc welding equipment to weld carbon steel butt joints in the vertical position
- 33.6.2.1. Use shielded metal arc welding equipment to weld carbon steel lap joints in the flat position
- 33.6.2.3. Use shielded metal arc welding equipment to weld carbon steel lap joints in the vertical position
- 33.6.3.1. Use shielded metal arc welding equipment to weld carbon steel tee joints in the flat position
- 33.6.3.3. Use shielded metal arc welding equipment to weld carbon steel tee joints in the vertical position
- 38.1.1.4.1. Quick fix techniques for roof repairs
- 38.1.1.4.2. Quick fix techniques for exterior walls

7—Level

- 13.2.1. Use construction drawings for Carpentry
- 13.2.2. Use construction drawings for Masonry
- 13.2.3. Use construction drawings for Metal
- 13.3.1. Identify type of material required for Carpentry
- 13.3.2. Identify type of material required for Masonry
- 13.3.3. Identify type of material required for Metal
- 13.4.1. Establish quantity of material required for Carpentry
- 13.4.2. Establish quantity of material required for Masonry
- 13.4.3. Establish quantity of material required for Metal
- 29.1. Inspect metal doors

Diamond Task

- 38.1.2. Structural shoring/bracing concepts
- 38.1.10.2.1. Conduct striping procedures on Runways
- 38.2.1. Tent hardbacking
- 38.2.2.1 Temper tent erection
- 38.5.1.2 Assemble B-1 revetments

MRA REQUIREMENTS

- 12.3.4. Lifting manually
- 14.1.2.1. Circular saw
- 14.1.2.7. Hand grinder
- 14.3. Powder actuated tools
- 16.1.3.1. Wooden studs
- 18.1.2. Mix mortar
- 18.2.2. Block
- 20.2.1. Install (gypsum board)
- 20.2.2. Tape and finish (gypsum board)
- 20.2.3. Patch (gypsum board)
- 21.4. Assemble and test oxyacetylene equipment for gas leaks
- 21.6. Adjust pressure regulators
- 21.7. Light oxyacetylene torch and adjust flame
- 21.10. Use oxyacetylene equipment to cut metal
- 24.5.1. Install door closures
- 24.5.3.1. Install cylinder locks
- 24.5.3.4. Install panic hardware/exit device
- 31.4. Assemble and test oxyacetylene equipment for gas leaks
- 31.6. Adjust pressure regulators
- 31.7. Light oxyacetylene torch and adjust flame
- 31.10. Use oxyacetylene equipment to cut metal

AFCAT 36-2223

The AFCAT 36-2223 will be changed to read as follows:

J5ABN3E331 000—Structural Apprentice—PDS Code 3PP—Gulfport/17.4 wk (87 days)/AFSC E331—Jan 98

Construction and maintenance of wood, masonry and metal structures; maintenance and use of structural tools and equipment; installation of building hardware; interpretation of construction drawings; determine material requirement; finish work; installing gypsum board, suspended ceilings, paneling, interior trim, windows, doors, stairs, and glass. Also includes erection of prefabricated metal buildings, laying masonry units, and setting wall and floor tile; preparing masonry mixes; installing concrete forms and reinforcement materials; placing and finishing concrete; applying protective coating materials, identifying roofing components; welds, cuts, brazes and solders ferrous and non-ferrous metals; fabricates, repairs and installs metal parts and assemblies; and contingency.

Prerequisites: ECL 70.

Special Requirements: Must have baseline audiograms and be fitted with earplugs prior to departure for training. Recent graduates from BMT will be issued safety-toed boots at training site.

Note: Training occurs at 366 TRS Det 6, Naval Construction Training Center, Gulfport MS 39501-5001.

Quota Control: 2 AF/DOP.

J3AZP3E351 001—Low Slope Roofing Maintenance and Repair—PDS Code NSB—Gulfport/1 wk 4 days—Jan 98

Determining installation procedures for low slope roof decks and insulation; installation, inspection, and repair of built-up-roof (BUR) membranes and flashing; identification, inspection, and repair of non-conventional roof systems; safety practices for tar kettle operation, rooftop operations, and torch-applied membranes; and Air Force roof management programs responsibilities and procedures.

Prerequisites: AFSCs 3E351/71, civilian equivalent, or assignment as roofing technician as prescribed by AFI 32-5016, Roof Management Program.

Note: Training occurs at 366 TRS Det 6, Naval Construction Training Center, Gulfport MS 39501-5001.

J3AZP3E351 002—Fabricating Welded Pipe Joint—PDS Code 11F—DOD 703—Gulfport/2 wk/MASL D149386—Jan 98

Determining qualification requirements of welding codes, laying out templates, transferring patterns to pipe, cutting and fitting pipe joints, arc welding pipe joints, performing bend tests, and evaluating test results in preparation for certification.

Prerequisites: AFSCs 3E351/71 or civilian equivalent, who have had formal operational training in arc welding, or civilian equivalent.

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Note: Training occurs at 366 TRS Det 6, Naval Construction Training Center, Gulfport MS 39501-5001.

Quota Control: 2 AF/DOP

J3AZP3E351 003—Metals Layout, Fabrication and Welding—PDS Code 579—Gulfport/2 wk 4 days—Jan 98

A supplemental course at the craftsman level in metals layout, fabrication, and welding. Training includes metal component layout using parallel; radial line and triangulation development; fabricating of ducts, elbows, roof jacks, and rectangular to round fittings; also principles, assembly, testing, and use of oxyacetylene welding equipment for cutting carbon steel. Includes use of tungsten inert gas and shielded metal arc welding equipment to weld beads and joints on various types of metal.

Prerequisites: Personnel in AFSC 3E3X1 or civilian equivalent.

NOTE: Training occurs at 366 TRS Det 6, Naval Construction Training Center, Gulfport MS 39501-5001. Prospective trainees without the AFSC previously specified cannot be expected to meet proficiency levels of the course.

Quota Control: 2 AF/DOP

J4AZP3E371 001—Bare Base Structures Erection—PDS Code WY8—various/4 days/MASL D149386—Jan 98

This mobile training team course supports bare base training requirements that includes academic and hands-on training in the setup, tear down, and preparing for shipment of the general purpose (GP) shelter, expandable shelter container (ESC), and tent extendible modular personnel (TEMPER).

Prerequisites: Training is for all civil engineering AFSCs. Other AFSCs are eligible to attend provided they are assigned to mobilization positions destined to bare base locations. Trainees must bring leather workgloves and high top safety-toes boots. ECL 70 SR.

NOTE: The mobile training team is from 366 TRS Det 6, Naval Construction Training Center, Gulfport MS 39501-5001.

Quota Control: 2 AF/DOP.

http://www.do.aetc.af.mil/do_WEB/Courses/CHAP01.PDF

ACTION ITEMS

ITEM	OPR/OCR	ECD	COMP
1. Contact AFPC/DPPAC and request the recommended changes to AFMAN 36-2108 STATUS:	OPR: HQ AFCESA/CEOT SMSgt VanDevander	1 Apr 99	
2. Make necessary changes to CFETP as specified by workshop members STATUS:	OPR: 366 th TRS/TRR Mr. Rich Maurer OCR: HQ AFCESA/CEOT SMSgt VanDevander	31 Jul 99	
3. Locate missing portion of metals requirements for the AFCAT 36-2223, Structural Apprentice course description. STATUS:	OPR: HQ AFCESA/CEOT SMSgt VanDevander	18 Mar 99	
4. Submit all changes to AFCAT 36-2223 to the appropriate office STATUS:	OPR: 366 th TRS/TRR Mr. Rich Maurer	31 Mar 99	
5. Provide specifics on the type roofing needed to upgrade the existing low-slope roof course STATUS:	OPR: All MAJCOM Voting members	1 Apr 99	

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LIST OF VOTING MEMBERS

<u>NAME</u>	<u>COMMAND</u>	<u>SIGNATURE</u>
SSgt William J. Scott	11 th WG	_____
TSgt Dennis B. LaClaire	ACC	_____
TSgt Will G. Wilson	AETC	_____
SMSgt John S. Crossan	AFRC	_____
TSgt Nicholas T. Robinson	AFSPC	_____
TSgt John H. Adams III	AFSOC	_____
SMSgt Russ L. Lichtenberger	AMC	_____
MSgt Roger D. Byrd	ANG	_____
TSgt Randall L. Davis	PACAF	_____
SSgt John R. Bradley	USAFA	_____
TSgt Edward F. Miller	USAFE	_____
SMSgt Frank C. VanDevander	AFCEA	_____

NOTE, AFMC and AIA were invited to attend this workshop but their representatives were not present.

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